Under the Paperwork Reduction Act of 1995, no persons are requ

## UTILITY

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Attorney Docket No.		MBZ-001CP	
First Inventor		Rima Kaddurah-Daouk	
Title	METHODS F TREATMENT METABOLON	OR DRUG DISCOVERY, DISEASE F, AND DIAGNOSIS USING MICS	
Express Mail Labol No.		EV 200 991 250 HS	

PATENT APPLICATION TRANSMITTAL	Title	METHODS FOR DRUG DISCOVERY, DISEASE TREATMENT, AND DIAGNOSIS USING						
(Only for new nonprovisional applications under 37 CFR 1.53(b))	METABOLOMICS							
(Only for new horiprovisional applications under 37 GFR 1.35(0))	ss Mail Label No.   EV 309 881 359 US							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application cor	ntents.	ADDRESS TO:	MS Patent App Commissioner P.O. Box 1450 Alexandria, VA	for Patents	1 7621			
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  2. X Applicant claims small entity status. See 37 CFR 1.27.  3. X Specification [Total Pages 82]  (preferred arrangement set forth below)  - Descriptive title of the invention  - Cross Reference to Related Applications  - Statement Regarding Fed sponsored R & D  - Reference to sequence listing, a table, or a computer program listing appendix  - Background of the Invention  - Brief Summary of the Invention  - Brief Description of the Drawings (if filed)  - Detailed Description  - Claim(s)  - Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets]  5. Oath or Declaration [Total Sheets]  a. Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	2 1	7. CD-ROM or C Computer Pro  8. Nucleotide and/or / (if applicable, all ne a. Computer R b. Specification Se i. CD-F c. Statements  ACCOMP 2  9. Assignment Pro  10. 37 CFR 3.73(i (when there is 11. English Transi 12. Information Di Statement (ID 13. Preliminary Ar 14. X Return Receip (Should be sp (Should be sp (if foreign priorit), Nonpublication Applicant mus	CD-R in duplicate, ogram (Appendix) Amino Acid Sequecessary) Readable Form (Coquence Listing of ROM or CD-R (2overifying identity ANYING APPL (2overifying identity ANYING APPL (2overifying identity an assignee) Illustron Document (2overifying identity is closure (2overifying identity is county if the intervention of Postcard (MPE (2overify identically itemized) on Request under	large table or lence Submission  CRF)  n: copies); or ii. Paper of above copies  ICATION PARTS  et & document(s)) Power of Attorney (if applicable) Copies of IDS Citations				
6. X Application Data Sheet. See 37 CFR 1.76								
Reference. The incorporation can only be relied upon when a portion has been inadvertently omitted application and in the sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:  Continuation  Divisional  X  Continuation-in-part (CIP) of prior application No.:  09/835119  Art Unit:  1634  The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
19. COR	RESPO	NDENCE ADDRESS						
X Customer Number: 00959		OR	Corresponde	ence address below				
LAHIVE & COCKFIELD, LLP Elizabeth A. Hanley								
Address 28 State Street								
City Boston State		MA	Zip Code	02109				
Country US A Tele	ephone	(617) 227-7400	Fax	(617) 742-4214				
Name (Print/Type) Cynthia M Soroos Signature	M	Registration No. (Att	1 1	53,623 october 27, 2003				

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309 881 359 US, in an envelope addressed to: MS Patent Application Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. (Cynthia M. Soroos)

Dated: October 27, 2003

Signature:



## **FEE TRANSMITTAL** for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

Complete if Known Not Yet Assigned **Application Number** Concurrently Herewith Filing Date Rima Kaddurah-Daouk First Named Inventor Examiner Name A. Chakrabarti

X Applicant claims small entity status. See 37 CFR 1.27			Art Unit 1634			
TOTAL AMOUNT OF PAYMENT (\$) 1,270.00		Attorney Docket No. MBZ-001CP				
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit Money Order Other None	3. ADDITIONAL FEES					
X Deposit Account:	١.					
Deposit Account 12-0080	Fee	e Entity Fee	Fee	Entity	-	
Number 12-000	Code		Code	(\$)	Fee Description Fee Pa	aid
Deposit Account Lahive & Cockfield, LLP	1051	130	2051	65	Surcharge – late filing fee or oath	
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.	
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification	-
Charge any additional facts) during the condensy of this					· ·	긕
application	1812	2,520	1812	2,520	<u> </u>	_
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Fee Paid  Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee 385.00	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451			
SUBTOTAL (1) (\$) 385.00	1452		2452	55	Petition to revive – unavoidable	
· · · · · · · · · · · · · · · · · · ·	1453		2453	665	Petition to revive - unintentional	_
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from	1501	1,330	2501	665	Utility issue fee (or reissue)	_
Claims below Fee Paid	1502	480	2502	240	Design issue fee	
Total Claims 64 -20** = 44 x 9.00 = 396.00	1503	640	2503	320	Plant issue fee	
Independent 11 -3** = 8 x 43.00 = 344.00	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent 145.00 = 145.00	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	$\neg$
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection	一
1201 86 2201 43 Independent claims in excess of 3					(37 CFR 1.129(a)) For each additional invention to be	$\dashv$
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	examined (37CFR 1.129(b))	$\Box$
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	<b>二</b>
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for expedited examination of a design application	$ \_                                   $
and over original patent	Other fee (specify)					
SUBTOTAL (2) (\$) 885.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00					
**or number previously paid, if greater, For Reissues, see above						_
SUBMITTED BY	IJBMITTED BY (if annicable)					

SUBMITTED BY		(Complete	(if applicable))
Name (Print/Type) Cynthia M. Sprops	Registration No. (Attorney/Agent) 53,623	Telephone	(617) 227-7400
Signature / /		Date	October 27, 2003

I hereby certify that this correspon	dence is being deposite	d with the U.S.	Postal Service a	β Express N	∕lail, Airbill No. E	V 309 881 359
US, in an envelope addressed to:	MS Patent Application,	Commissioner/	for/Patents, P.Q	Box 1450,	Alexandria, VA	22313-1450, on
the date shown below.			1117 /			

Dated: October 27, 2003